

Title (en)  
INJECTION STRETCH BLOW-MOLDING (ISBM) ENHANCEMENT FOR SEMI-CRYSTALLINE POLYOLEFIN CONTAINERS UTILIZING ALICYCLIC POLYOLEFINS

Title (de)  
DURCH SPRITZSTRECKBLASFORMEN (ISBM) VERBESSERTE BEHÄLTER AUS HALBKRYSTALLINEN POLYOLEFINEN MIT ALICYCLISCHEN POLYOLEFINEN

Title (fr)  
AMÉLIORATION DE MOULAGE PAR INJECTION-ÉTIRAGE-SOUFFLAGE (ISBM) POUR DES CONTENANTS EN POLYOLÉFINE SEMI-CRYSTALLINE UTILISANT DES POLYOLÉFINES ALICYCLIQUES

Publication  
**EP 3452263 B1 20221019 (EN)**

Application  
**EP 17763743 A 20170227**

Priority  
• US 201662306660 P 20160311  
• US 2017019571 W 20170227

Abstract (en)  
[origin: WO2017155712A1] An injection stretch blow-molded (ISBM) container prepared by way of injection molding a tubular preform followed by reheating and concurrently stretching and blow-molding the heated preform into the container. The container and preform comprise from 70 wt. % to 97.5 wt. % of a semi-crystalline polyolefin composition comprising one or polymers selected from polyethylene polymers and polypropylene polymers and from 2.5 wt. % to 30 wt. % of an alicyclic polyolefin composition, wherein the alicyclic polyolefin composition has a glass transition temperature, T<sub>g</sub>, of from 80° to 145°C.

IPC 8 full level  
**B29C 49/00** (2006.01); **B29C 49/02** (2006.01); **B29C 49/06** (2006.01); **B65D 1/02** (2006.01); **B29K 23/00** (2006.01)

CPC (source: EP US)  
**B29C 49/0005** (2013.01 - EP US); **B29C 49/02** (2013.01 - EP US); **B29C 49/06** (2013.01 - EP US); **B65D 1/0207** (2013.01 - EP); **C08L 23/0823** (2013.01 - US); **B29C 49/12** (2013.01 - US); **B29C 2049/023** (2013.01 - EP); **B29C 2049/024** (2013.01 - EP US); **B29K 2023/06** (2013.01 - EP US); **B29K 2023/065** (2013.01 - US); **B29K 2023/08** (2013.01 - US); **B29K 2023/12** (2013.01 - EP US); **B29K 2023/38** (2013.01 - EP US); **B29L 2031/7158** (2013.01 - US); **B65D 1/0207** (2013.01 - US); **C08L 23/06** (2013.01 - US); **C08L 2207/062** (2013.01 - US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2017155712 A1 20170914**; EP 3452263 A1 20190313; EP 3452263 A4 20200115; EP 3452263 B1 20221019; US 11577443 B2 20230214; US 2021189107 A1 20210624; US 2023226739 A1 20230720

DOCDB simple family (application)  
**US 2017019571 W 20170227**; EP 17763743 A 20170227; US 201716078536 A 20170227; US 202218082763 A 20221216